

# OMV-VX OUTDOOR DETECTOR

013:V SPECIFICATION SHEET



**VIDEOFIED**  
ULTIMATE SECURITY



## OMV-VX OUTDOOR DETECTOR OUTDOOR VISUAL VERIFICATION DETECTOR

### Description

**The OMV-VX outdoor is a wireless, battery operated camera. The camera is triggered by motion detection. It is designed for use in a Videofied® security system. Motion activated cameras are intended for outdoor applications where video verification is needed.**

The OMV-VX consists of a digital camera, passive infrared motion detector, and a spread spectrum Wiselink® radio module. Wiselink® is a proprietary Videofied® interactive, encrypted wireless circuitry for secure two way communication with the control panel.

The camera consists of a CMOS sensor and a 90° wide angle lens. Four infrared LEDs provide a night illumination distance of up to 12 meters. A Fresnel lens ensures passive infrared motion detection. The detection pattern is a curtain of 1m width and an optimal detection distance of 14 meters from the MotionViewer.

Install the OMV MotionViewer to protect outdoor installations where weather protection and perimeter protection is necessary.

When the alarm system is armed and the PIR detector is triggered, the OMV-VX transmits a signal and activates the camera, which captures a 10 second video segment (by default). The alarm panel receives the signal and responds according to system configuration and programming. The alarm and its associated video are transmitted through the alarm panel to the security server, managed by a monitoring center or a smartphone app.

The OMV-VX is powered by three lithium batteries for a typical battery life that can go up to 4 years, depending on the activity of the detector.

Every detector transmits a check-in signal every 8 minutes to the alarm panel in order to supervise its status.

### Features

- Wiselink® Spread Spectrum, Videofied, Interactive, AES Encrypted wireless technology provides optimum signal integrity and security.
- Camera : CMOS sensor with 90° wide angle lens. Resolution 320 x 240 pixels.
- Supervised : Transmits a check-in/status signal to the panel every 8 minutes indicating the unique identification code along with the current detection sensor state, tamper condition, serial number, manufacture date, software revision, and battery status.

- Lithium batteries : 4 years battery-life (Estimated).
- Night illumination: up to 12 meters using four infrared LEDs.
- The camera captures a video segment less than 100 milliseconds after motion detection.
- Device is fully weatherproof and can withstand temperatures from -20° to 60°C.

### Applications

- Video-verification for outdoor intrusion alarms.
- Reliable PIR detection



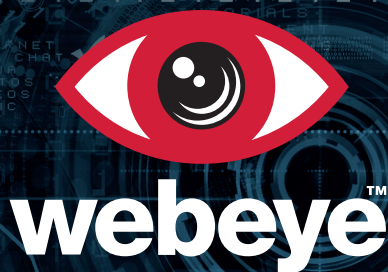
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## Power requirements

Type 3 x 3.6V SAFT Lithium, LS14500, AA Batteries Only

Duracell CR123A 3V Battery

## Battery life

Standard usage(up to 5 vids per month 4 years(LS14500)

2 years(CR123A)

High usage(up to 30 vids per month 2 years(LS14500)

1 year(CR123A)

Warm-up period Approx. 60 seconds

## RF Wiselink® Technology

Radio type Spread Spectrum Bidirectional

Operating frequency 868MHz - OMV-VX200 (Europe,

Africa , Asia)

915MHz - OMV-VX - 601 (USA, Canada, South America

920MHz - OMV-VX702 - (Australia, South America)

## Camera

Angle Wide angle 90°

Sensor type CMOS

Daylight video Programmable : Color or B&W

Night video Automatic black & white infrared

Infrared illumination Automatic with 4 IR LEDs

Infrared illumination distance Up to 12m

## Video

Video format MJPEG-WMV, MJPEG-DIFF

Frame rate 5 images per second

Video duration Programmable (10 secs by default)

Video resolution QVGA (320x240)

Average video file size 220 kb

## Image

Format JPEG

Resolution VGA (640x480)

Average image file size 8 kb

Detection method Passive infrared

PIR coverage 12 m 90° wide / 16 zones

PIR distance limit 12 to 2.5 m (5 levels)

Detectable speed 0.3 to 2.0 m/s

Sensitivity 2.0° C at 0.6 m/s

## Detection adjustment

Detection pattern rotation 90° left or right (7 pos.)

Detection range adjustment 3m to 14m (5 pos.)

Masking PIR cells masking kit

## Environmental data

Operating temperature -20°/+60°C

Max. relative humidity 95% max

Protection marking IP55

Installation / Mounting Mounting height 0.8 m to 1.2 m

Mounting support Wall, pole (outdoor or indoor)

Accessories Screw (4x 20 mm) x2, Masking seal x2

Weight 700g (without batteries)



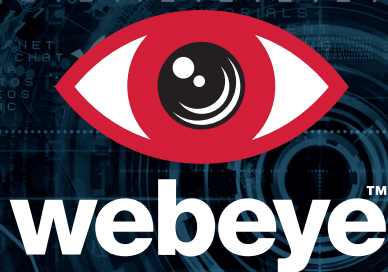
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### STANDARDS AND CERTIFICATIONS

#### **868MHz (OMV210)**

Compliant with the annex IV of the R&TTE directive 1999/5/EC  
NF EN50131-2-2 2008 Grade 2

#### **915MHz (OMV611)**

USA FCC Part 15C  
Canada IC RSS-210 Issue 8

#### **920MHz (OMV712)**

Australia C-Tick AS/NZS4268



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